

MINIATURISED RELAY AND CORRESPONDING USES

ABSTRACT

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The subject of the invention is a miniaturised relay which comprises a first zone facing a second zone, a first condenser plate (3), a second condenser plate (9) arranged in the second zone, and smaller than or
10 equal to the first plate, an intermediate space (25) between both zones, a conductive element (7) arranged in the intermediate space (25) and which is mechanically independent from the adjacent walls and can move freely across the intermediate space (25) depending on voltages present between both plates, contact points (15, 17) of an electric circuit, in which
15 the conductive element (7) closes the electric circuit by making contact with the contact points (15, 17). Such relays can be used, for example, as: accelerometers, accelerometers in airbags, tiltmeters, Coriolis force detectors, microphones, in acoustic applications, pressure sensors, flow sensors, temperature sensors, gas sensors and magnetic field sensors,
20 etc.

(Fig. 4)